

<i>Position</i>	<i>Regulated</i>	<i>Certification Available</i>	<i>Is additional education required to apply?</i>	<i>Educational Institutions offering programs</i>	<i>Length of program (approx)</i>	<i>Use of ITP's Medical Skills</i>	<i>ITP interest level</i>	<i>Average Hourly Wage \$Cdn</i>
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Medical

Paramedic/ Emergency Medical Attendant	no	required: A-E.M.C.A.	yes	community colleges	2 yrs	med	med	\$18.73 (low) \$23.00 (average) \$29.72 (high)
Medical Office Assistant (administration & basic backroom)	no	available: Ontario Medical Secretaries Assoc. (Certified Medical Secretary)	may not; sometimes on-the-job training	private and community colleges	8 ms-2 yrs	low	med	\$15.15 (average) \$19.94 (high) \$10.94 (low)
Physician Assistant (PA)	N/A	N/A	governments and regulatory bodies are currently discussing the option of physician assistants in Ontario	N/A	N/A	high	high	\$30.76 (average)

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Patient Care

Registered Nurse (RN)	yes		yes	community colleges and universities	4 yrs	high	med	\$23.51 (average) \$34.90 (high) \$12.50 (low)
Nurse Practitioner (NP)	yes		yes	university, faculty of nursing	Nursing degree plus 12-24ms NP program	high	med	\$37.13 (average)
Registered Practical Nurse (RPN)	yes		yes	community colleges	2 yrs	med	low	\$19.62 (average) \$25.03 (high) \$15.00 (low)
Personal Support Worker	no	no official certification - PSW certificates issued by training institution	usually	community and private colleges	6 ms-1yr	low	low	\$14.31 (average) \$19.87 (high) \$9.49 (low)
Orderly	no		on-the-job training			low	low	\$14.31 (average) \$19.87 (high) \$9.49 (low)

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Diagnostics and Therapeutics

Respiratory Therapist	yes		yes	community colleges	3 yrs	med	high	\$23.51 (average) \$34.90 (high)
Cardiopulmonary Technologist	no	Canadian Association of Cardio-Pulmonary Technologists	very likely; respiratory therapy, nursing or related degree plus post-diploma training or on the job training	Michener Institute courses	N/A	high	med	\$23.51 (average) \$34.90 (high)
Cardiovascular Perfusion Technologist	no	Canadian Society of Clinical Perfusion	yes	Michener Institute - post diploma	16 ms	high	med	\$23.51 (average) \$34.90 (high)
Anesthesia Technologist (Anesthetist Assistant)	no	N/A	yes	Michener Institute - post diploma (under development)	N/A	high	high	\$23.51 (average) \$34.90 (high)
Cardiovascular Technologist/Technician/ECG Technician	no	Canadian Society of Cardiovascular Technologists (CSCT)	yes	community and private colleges	12 ms	med	med	\$19.96 (average)
Ultrasonographer (general, vascular, cardiac)	no	likely required: ARDMS/CARDUP	may not (depending on prior experience)	community colleges	12-16 ms	high	high	\$19.96 (average) \$24.00 (high)
Medical Radiation Technologists (MRT): radiological technology, nuclear medicine technology, radiation therapy	yes		yes	community colleges	3 yrs	high	high	\$27.33 (average)
Dialysis Technician	no		likely; possibly on-the-job training	Georgian college (on hold)	1 yr graduate certificate program	med	med	\$24.00 (average)

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Electroencephalographic Technologist (EEG)	no	available: Canadian Board of Electroencephalograph Technologists	yes	college program or up to two years of supervised on-the-job training	2 yrs	med-high	med	\$24.00 (average)
Electromyographic (EMG) Technologist/ Electroneurophysiology Technologist	no	usually required: Canadian Society of Clinical Neurophysiologists/EMG Section	yes	2 yrs on-the-job training	2 yrs	med-high	med	\$24.00 (average)
Polysomnographer (sleep clinic)	no	no official certifying organization - certificate issued by training institution	may not	Michener Institute - certificate program	2 week intensive & 72 hrs clinical	med	med	\$24.00 (average)

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General Therapeutic

Physiotherapist	yes		yes	universities	3-4 yrs	med	med	\$31.04 (average) \$38.08 (high) \$18.70 (low)
Physiotherapy Assistant/Occupational Therapy Assistant/Rehabilitation Assistant	no		usually	community and private colleges	2 yrs	low	low	\$13.79 (average) \$20.35 (high) \$8.82(low)
Occupational Therapist	yes		yes	universities	4 yrs	low	low	\$28.12 (average) \$32.66 (high) \$18.85(low)
Athletic Therapist	no	Canadian Athletic Therapists' Association	yes	Sheridan College, York University	4 yrs	med	med	\$23.95 (average)
Massage Therapist	yes		yes	community colleges	3 yrs	low	low	\$22.95 (average) \$34.02(high) \$12.93(low)
Massage Practitioner	no		may not	private courses		low	low	\$22.95 (average) \$34.02(high) \$12.93(low)
Orthotic/Prosthetic Technican	no	available: Canadian Board of Certification of Prosthetists and Orthotists (CBCPO)	yes	George Brown college - diploma program	2 yrs	low	low	N/A
Prosthetist/Prosthetic Clinician; Orthotist (Orthotic Clinician)	no	available: Canadian Board of Certification of Prosthetists and Orthotists (CBCPO)	yes	George Brown College - post diploma program (clinical methods)	2 yrs	med	med	N/A
Orthopedic Technologist	no		yes	private college (i.e., CDI college)		med	low	\$12.57 (average) \$18.96 (high)

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Therapeutic Recreation Assistant	no		yes	i.e., Georgian college -post diploma program	3 semesters	low	low	N/A
Therapeutic Recreation Therapist/Specialist	no		yes (i.e., Recreation and Leisure Studies Degree, option Therapeutic Recreation)	i.e., University of Waterloo	4 yrs	low	low	N/A

Dietetics/Nutrition

Dietician	yes		yes	i.e., universities of Western, Guelph and Ryerson	4 yrs	low-med	low	\$22.95 (average) \$34.02 (high) \$12.93 (low)
Nutritionist	no		may not	private courses		low-med	low-med	\$22.95 (average) \$34.02 (high) \$12.93 (low)
Dietetic Technician	no		yes	Conestoga College (under development)	N/A	low	low	N/A

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Behavioral Health

Psychologist	yes		yes	universities	doctoral degree	med	med	\$27.12 (average)
Psychometrist	no	available: College of Psychologists of Ontario	may not	universities: relevant Master's degree and experience		med	med	N/A
Substance Abuse Counsellor/Addictions Counsellor	no	available: Canadian Centre for Substance Abuse or Canadian Addiction Counsellors Certification Board	usually	universities and colleges	1-2 yrs college; 3-4 yrs university	low	low	\$15.89 (average) \$25.00 (high)
Social Worker	yes		yes	universities	3-4 yrs	low	low	\$24.45 (average) \$33.24 (high) \$14.73 (low)
Social Service Worker	yes		yes	community colleges	2 yrs	low	med	\$18.68 (average) \$25.56 (high) \$12.00 (low)
Community Worker	no		may not	community colleges	2 yrs	low	med	\$18.68 (average) \$25.56 (high) \$12.00 (low)
Settlement Worker	no		may not			low	low	\$16.00 (average)

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Obstetrics

Midwife	yes		yes	Laurentian, McMaster and Ryerson universities	4 yrs	high	med	\$31.73 (average) \$37.02 (high) \$26.44 (low)
Childbirth Educator/Lamaze Childbirth Educator	no		may not	private courses (i.e., Mothercare)		med	med	N/A
Doula/Labour Coach	no		sometimes	private courses (i.e., Mothercare)		low	low	N/A

Optical Field

Optometrist	yes		yes	University of Waterloo School of Optometry	4 yrs	med-high	med	\$38.79 (average)
Optometric Assistant	no	available: Canadian Assoc. of Optometrists (completion of course)	often	Canadian Association of Optometrists - Optometric Assistant Course	32 weeks	low-med	low	\$13.79 (average) \$20.35 (high) \$8.82 (low)
Optician (Ophthalmic Dispenser)	yes		yes	Gerogian and Seneca colleges	2 yrs	low-med	low	\$17.28 (average) \$24.67 (high)
Ophthalmic Medical Personnel (Assistants/Technicians/Technologists)	no	available: Joint Commission on Allied Health Personnel in Ophthalmology(JCAHPO)	very likely	Univ. of Ottawa Eye Institute (Technologist); Centennial College (Assistant)	University of Ottawa - 2 yrs; Centennial - continuing education	med-high	med	\$12.82 (average) - \$25.64 (average) (depends on level of responsibility)

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Orthoptist	no	available: Canadian Orthoptic Council	yes	Orthoptic Clinic Department of Ophthalmology & Vision Sciences The Hospital For Sick Children	2 yr hospital based	med-high	low	N/A
Ocularist	no					low	low	N/A
Instructor for Blind and Visually Impaired	no					low	low	N/A
Optical Technician	no		on-the-job training			low	low	\$12.57 (average) \$18.96 (high)
Dental Field								
Dental Assistant	no	available: Ontario Dental Nurses & Assistants Association	may not	i.e., Niagara, Georgian, Durham colleges etc.	1- 2 yrs	low	low	36.45(average) 65.00(high) 18.00(low)
Denturist	yes		yes	George Brown	3 yrs	low	low	16.06(average) 21.00(high) 11.08(low)
Dental Technician/Technologist	yes		yes	George Brown	3 yrs	low	low	23.28(average)
Dental Hygienist	yes		yes	i.e., Algonquin, Canadore, St. Clair colleges etc.	2 yrs	low	low	23.51(average) 34.90(high) 12.50(low)
Dental Laboratory Bench Worker	no					low	low	N/A
Dental Office Administrator	no		yes	college programs	1-2 yrs	low	low	\$15.15 \$19.94 (high) \$10.94 (low)

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Speech-Language Pathology and Audiology

Speech-Language Pathologist/Audiologist	yes		yes	need undergraduate honours degree in a related field to apply	master's degree 2 -3 yrs	med	low	\$31.68 (average) \$38.49 (high) \$24.23 (low)
Hearing Instrument Practitioner	no	register with the Association of Hearing Instrument Practitioners of Ontario	yes	George Brown College	3 yrs	med	med	\$20.50 (average)
Communicative Disorder Assistant	no		yes	i.e., Durham, Georgian colleges (post diploma)	12 - 18 months	low	low	\$18.60 (average)
Intervenor for Deaf Blind Persons	no		yes	community college (i.e., George Brown college)	2 yrs	low	low	N/A

Pharmacy

Pharmacist	yes		yes	University of Toronto	4 yrs	med	med-low	\$35.00 (high) \$26.00 (low)
Pharmacy Technician/Assistant	no	available: Ontario College of Pharmacists	may not; on-the-job training sometimes sufficient	community colleges	2 yrs	low	low	\$13.79 (average) \$20.35 (high)

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Natural Medicine/ Wellness/ Bodywork

Acupuncturist	no	available: register with the Acupuncture Council of Ontario	may not (depending on experience)	private colleges (i.e., Canadian Memorial Chiropractic college (CMCC))	CMCC: 220 hour certificate program	med	med	\$23.28 (average)
Naturopath	yes		yes	Canadian College of Naturopathic Medicine	4 yrs	med	med	\$23.44 (average) \$38.46 (high) \$15.01 (low)
Chiropractor	yes		yes	Canadian Memorial Chiropractic College, Toronto	4 yrs	med	med	\$24.62 (average) \$33.23 (high) \$14.62 (low)
Chiropractic Assistant	no		may not; possibly on-the-job training	private colleges		low	low	N/A
Chiropodist (feet)	yes		yes	Michener Institute	3 yrs	med	low	N/A
Chiropodist Assistant	no		on-the-job training			low	low	N/A
Homeopathic Practitioner	no	available: registration with the Ontario Homeopathic Association	yes	private colleges		med	med	N/A
Chinese Medicine Practitioner	no		yes	private colleges		med	med	N/A
Traditional Osteopathy	no		yes	Canadian College of Osteopathy	5 yrs part time	med-high	med-low	N/A

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Other: Reflexologist, Rolfer, Herbologist, Ayurvedic Medicine Practitioner, Allergy Tester etc.	no		yes	private colleges		low-med	low	N/A

Environmental and Public Health

Epidemiologist	no		yes	master's degree epidemiology: Toronto, Queens, Western, Ottawa universities	2 yrs	high	high	\$36.51 (average)
Epidemiologist Assistant	no		in some cases on-the-job training may be adequate	continuing education courses (public health)		high	med	N/A
Health Promotion Worker (HPW)/Fitness HPW/ Workplace Wellness and HP Worker	no		in some cases on-the-job training may be adequate	college and university programs (Health Studies)	i.e., Centennial college 1 yr; university programs 3-4 yrs	med	med	\$15.38 (low) \$28.43 (high)
Environmental and Public Health Inspectors	no	required: Canadian Institute of Public Health Inspectors	yes	degree program in Environmental Health, Ryerson University; Master's program, Lakehead University	4 yrs (full program); 2 yrs Master's	med	med	\$27.38 (average)
Asthma Educator	no	Canadian Network for Asthma Care (CNAC)	yes (very often RNs perform this job)	i.e. Michener Institute etc.	continuing education (6 ms minimum)	med	med	\$27.80 (average) \$34.23 (high) \$19.46 (low)
COPD Educator	no	issued by training institution	yes (very often RNs perform this job)	i.e. Michener Institute etc.	continuing education (6 ms minimum)	med	med	\$27.80 (average) \$34.23 (high) \$19.46 (low)

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Diabetes Educator	no	Canadian Diabetes Educator Certification Board (CDECB).	yes (very often RNs perform this job)	i.e. Michener Institute etc.	continuing education (12 ms minimum)	med	med	\$27.80 (average) \$34.23 (high) \$19.46 (low)
Blood Donor Unit Assistant	no		not likely; usually on-the-job training			low	low	\$18.68 (average) \$25.56 (high) \$12.00 (low)
International Health Service Worker	no		may not	i.e., Seneca College	1 semester	med	low	N/A
Public Health Planner	no		often require RN degree and experience in the field			med	low	N/A

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Laboratory Skills

Medical Laboratory Technologist (MLT)	yes		yes	community colleges	3 yrs	high	med	\$24.62 (average) \$33.23 (high) \$14.62 (low)
Medical Laboratory Technician/Assistant/Phlebotomist	no	available: Ontario Society of Medical Technologists	sometimes	community and private colleges	1 yr	low	med	\$18.57 (average)
Cytotechnologist (considered a MLT)	yes	The College of Medical Laboratory Technologists of Ontario (CMLTO) accepts graduates from Michener program as MLTs	yes	Michener Institute (advanced diploma certificate)	20 ms	high	med	\$24.62 (average) \$33.23 (high) \$14.62 (low)
Genetics Technologist (considered a MLT)	yes	The College of Medical Laboratory Technologists of Ontario accepts graduates from Michener as MLTs with competencies in both cytogenetics & molecular genetics	yes	Michener Institute (advanced diploma)	18 ms	high	med	\$24.62 (average) \$33.23 (high) \$14.62 (low)
Pathologist Assistant	no		sometimes			low	low	\$20.51 (average)
Morgue Attendant	no		on-the-job training			low	low	N/A
Forensic Laboratory Analyst	no		yes	i.e., Bachelor of Forensic Science degree, Windsor or Laurentian universities	4 yrs	med	low	\$20.50 (low) \$40.51 (high)

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Technical Equipment

Sterile Processing Technician	no	available: certificate issued by training institution	may not be required	on-the-job training; or college certificate program (i.e., Algonquin college)	continuing education program	low	low	\$15.89 (average)
Central Supply Worker	no		may not be required	on-the-job training; or college certificate program		low	low	\$13.86 (average)
Respiratory Equipment Service Technician (home oxygen)	no		no	on-the-job training		low	low	N/A

Health Administration

Health Administration (policy analyst, regulatory affairs, hospital fundraiser etc.)	no		yes	i.e., McMaster, Toronto, Ottawa universities etc. (Bachelor of Health Administration)	3-4 yrs	high	med	\$27.19 (average) \$38.35 (high) \$18.04 (low)
Administrative Site Coordinator	no		may not (often coordinator has a nursing background)	nursing or related degree required		med	med	\$27.19 (average) \$38.35 (high) \$18.04 (low)

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Medical Secretary/Health Office Administrator (medical, chiropractic, physiotherapy, occupational therapy, chiropody and dental offices etc.)	no	available: Ontario Medical Secretaries' Association	sometimes	community and private colleges	1-2 yrs	low	med	\$15.15 \$19.94 (high) \$10.94 (low)
Hospital Admitting Clerk	no		sometimes; often have medical office administration background	community and private colleges	1-2 yrs	low	low	\$15.15 \$19.94 (high) \$10.94 (low)
Hospital Ward Clerk	no		sometimes; often have medical office administration background	community and private colleges	1-2 yrs	low	low	\$15.15 \$19.94 (high) \$10.94 (low)

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Health Information/ Health Record Management

Health Information Management (HIM) Professional/Health Records Technician/Technologist	no	available: Canadian College of Health Record Administrators - CCHRA(C)	yes	Ryerson and Western universities; community colleges (i.e., Fleming)	i.e., Bachelor Health Science plus honors health information management 4 yrs; college program 2 yrs	low	med	\$20.00 (average) \$32.00 (high)
Health Records Coder (on nursing unit)	no	available: Canadian College of Health Record Administrators	health information management background likely required	N/A	N/A	low	med	N/A
Medical Transcriptionist	no	Ontario Medical Secretaries Assoc. (Certified Medical Secretary)	likely	community & private colleges (i.e., medical secretary programs; transcription courses)		low	low	\$14.72 (average)

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Education

College Professor/Lecturer, health program	no		no; a college diploma, bachelor's degree or demonstrated expertise in the field of instruction is required			high	high	\$25.00 (average)
Assessor/Evaluator of students applying to MD programs	no		no			low-med	med	N/A
Invigilator (exam monitor)	no		no			low	low	N/A

Interpretation

Medical Interpreter	no		no	private courses		low	med	\$23.72 (average)
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Insurance Industry

Adjudicator	no	available: Insurance Institute of Canada	very often on-the-job training	business-insurance programs at community colleges and through Insurance Institute of Canada	2 yrs	med	med	\$25.64 (average)
Medical Underwriter	no	available: Insurance Institute of Canada	very often on-the-job training	business-insurance programs at community colleges and through Insurance Institute of Canada	2 yrs	med	med	\$25.00 (average) \$36.18 (high) \$15.00 (low)
Paramedical Examiner	no		on the job training; very often nurses or paramedics hold this position			med	med	N/A
Other: Brokers, Adjustors, Examiners, Assessors, Appraisors, Sales Representatives			yes	Insurance Institute of Canada		low	low	N/A

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Pharmaceutical & Biotechnology Industries

<i>Research & Development</i>								
Research Scientist	no		yes	master's or PhD degree relevant to the field of study is usually required		med	med	researchers: \$24.20/hour to \$37.00/hour (average); depends on level of responsibility
Research Associate	no		may not be	master's degree relevant to the field of study is usually required		high	med-high	researchers: \$24.20/hour to \$37.00/hour (average); depends on level of responsibility
Research Assistant	no		on-the-job training	bachelor's degree relevant to the field of study is usually required				researchers: \$24.20/hour to \$37.00/hour (average); depends on level of responsibility
Microbiologist/ Immunologist	no		yes	master's program i.e., Ottawa University	2 yrs	high	high	\$25.58 (average)
Biotechnology Technologist	no	available: Ontario Association of Certified Engineering Technicians and Technologists (OACETT)	yes	community colleges	2-3 yr	med	med	\$29.89 (average)

<i>Position</i>	<i>Regulated</i>	<i>Certification Available</i>	<i>Is additional education required to apply?</i>	<i>Educational Institutions offering programs</i>	<i>Length of program (approx)</i>	<i>Use of ITP's Medical Skills</i>	<i>ITP interest level</i>	<i>Average Hourly Wage \$Cdn</i>
Medical Physicist	no	available: Canadian College of Physicists in Medicine	yes	Honors degree in Physics plus graduate work and 1-2 yr training program in medical physics	6+ yrs	med	low	N/A
Biomedical Engineer	yes		yes	i.e., Toronto, Western universities	master's or PhD program	med	low	\$25.00 (average)
Toxicologist (biomedical or environmental)	no		yes	university degree i.e, University of Guelph	4 yrs	high	low	N/A
Biomedical Engineering Technologist	no	available: Ontario Assoc. of Certified Engineering Technicians & Technologists	yes	i.e., Durham, Fanshawe colleges etc.	3 yrs	med	low	\$22.56 (average) \$30.76 (high) \$17.43 (low)
Other jobs in the field of research include: Laboratory Technologists, Technicians, Information Technologists, Communication/ Information Services, Technical Writers, Forensic Scientists								

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Clinical Research								
Clinical Research Associate (CRA)/ Study Monitor	no		sometimes	community and private colleges (i.e., Kriger Research Center)	3 semesters	high	high	\$26.66 (average)
Clinical Research Coordinator (CRC)	no		sometimes	community and private colleges (i.e., Kriger Research Center)	3 semesters	high	high	\$23.72 (average)
Production & Quality Control/Assurance								
Production Planners	no		may require a BSc in microbiology or a diploma in lab technical work			low	low	N/A
Manufacturing Technician	no					low	low	N/A
Quality Control Analyst	no		may require a BSc in microbiology or a diploma in lab technical work			low-med	low	N/A
Quality-assurance Auditor	no		may require a BSc in microbiology or a diploma in lab technical work			low-med	low	N/A

<i>Position</i>	<i>Regulated</i>	<i>Certification Available</i>	<i>Is additional education required to apply?</i>	<i>Educational Institutions offering programs</i>	<i>Length of program (approx)</i>	<i>Use of ITP's Medical Skills</i>	<i>ITP interest level</i>	<i>Average Hourly Wage \$Cdn</i>
Administration								
Medical Information Associate	no		no; Bachelor of Science degree required in pharmacy, medicine or nursing			med-high	med-high	\$28.20 (average) \$41.02 (high)
Regulatory Affairs Associate	no		yes	post diploma program community colleges	1 yr	low	med	\$31.79 (average)
Biostatisticians/ Data Managers	no		likely	i.e., Master's program (Biostatistics) McMaster university	1.5-2 yrs	med	med	\$23.81 (average) \$33.92 (high)
Medical/Technical Writer	no		may not			low	low	N/A
Intellectual Property Manager	no					low	low	N/A
Patent Agent	no					low	low	N/A
Other administrative departments include: human resources, public relations, legal matters, information technology, purchasing, accounting etc.								

<i>Position</i>	<i>Regulated</i>	<i>Certification Available</i>	<i>Is additional education required to apply?</i>	<i>Educational Institutions offering programs</i>	<i>Length of program (approx)</i>	<i>Use of ITP's Medical Skills</i>	<i>ITP interest level</i>	<i>Average Hourly Wage \$Cdn</i>
Sales and Marketing								
Sales Representative	no		may not; training or a diploma in marketing, sales, or science; sometimes an MBA	colleges and universities		low	med	\$20.51 plus, sometimes a commission
Market Researcher/Analyst	no		may not			low	low	N/A
Telemarketers	no		may not			low	low	N/A
Marketing Communications Coordinator (Pharmaceutical/Nutraceutical/Biotech/Medical Devices Industry etc.)	no		may not			low	low	N/A
Marketing Systems Analyst	no		may not			low	low	N/A